



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. VIRTP.002DV1C1	APPLICATION NO. Unknown 10/1994,062
	APPLICANT Vladimir POPONIN	
	FILING DATE Herewith	GROUP Unknown 1637

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1.	5,244,636	09/14/93	Walt et al.	422	82.07	
	2.	5,629,213	05/1997	Komguth et al.	438	518	
	3.	5,695,940	12/09/97	Dramanc et al.	435	6	
	4.	5,814,516	09/29/98	Vo-Dinh	436	287.2	
	5.	5,821,060	10/13/98	Arlinghaus et al.	435	6	
	6.	5,866,330	02/02/99	Kinzler et al.	435	6	
	7.	5,871,628	02/16/99	Dabiri et al.	204	461	
	8.	5,874,219	02/23/99	Rava et al.	435	6	
	9.	5,905,024	05/18/99	Mirzabekov et al.	435	6	
	10.	5,908,745	06/01/99	Mirzabekov et al.	435	6	
	11.	5,919,626	07/06/99	Shi et al.	435	6	
	12.	5,928,862	07/27/99	Morrison	439	6	
	13.	5,932,711	08/03/99	Boles et al.	638	22.1	
	14.	5,952,174	09/14/99	Nikiforov et al.	435	6	

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	15.	WO 9705280 A1	02/1997	WO				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	16.	Adams, M.D., "Expressed Sequence Tags as Tools for Physiology and Genomics," <u>The Institute for Genomic Research</u> , Chapter 10, pp. 71-76.
	17.	Bauer et al., "Microarray based optical biochip with nanometric resolution," <u>Institut für Biochemie und Molekulare Zellbiologie, Universität Wien</u> .
	18.	Bauer et al., "Optical Nanocluster Microchips for Human Diagnostics," <u>Institut für Biochemie und Molekulare Zellbiologie und Ludwig Boltzmann-Forschungsstelle für Biochemie, Universität Wien</u> .
	19.	Bej, A. K., "Nucleic Acid Hybridizations: Principles and Strategies," <u>Nucleic Acid Analysis: Principles and Bioapplications</u> , pp. 1-29 (1996).

EXAMINER	DATE CONSIDERED 4-10-06
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

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	20. Chumanov et al., "Surface Enhanced Raman Scattering for Discovering and Scoring Single Base Differences in DNA," <u>Proceedings SPIE</u> , Vol. 3608 (1999).
	21. Cotton et al., "Application of Surface-Enhanced Raman Spectroscopy to Biological Systems," <u>Journal of Raman Spectroscopy</u> , Vol. 22, pp. 729-742 (1991).
	22. Deckert et al., "Near-Field Surface Enhanced Raman Imaging of Dye-Labeled DNA with 100-nm Resolution," <u>Analytical Chemistry</u> , Vol. 70, pp. 2648-2650 (1998).
	23. Dramanc et al., "Sequencing by Hybridization," <u>Integral Genetics Group, Biological and Medical Research Division, Argonne National Laboratory</u> , Chapter 4, pp. 29-36.
	24. Emory et al., "Near-Field Surface-Enhanced Raman Spectroscopy on Single Silver Nanoparticles," <u>Anal. Chem.</u> , Vol. 69, pp. 2631-2635 (1997).
	25. Guschin et al., "Manual Manufacturing of Oligonucleotide, DNA, and Protein Microchips," <u>Analytical Biochemistry</u> , Vol. 250, pp. 203-211 (1997).
	26. Kneipp et al., "Single Molecule Detection Using Surface-Enhanced Raman Scattering (SERS)," <u>The American Physical Society</u> , Vol. 78, No. 9 (1997).
	27. Kneipp et al., "Surface Enhanced Raman Spectroscopy on Nucleic Acids and Related Compounds Adsorbed on Colloidal Silver Particles," <u>Journal of Molecular Structure</u> , Vol. 244, pp. 183-192 (1991).
	28. Martin-Gallardo et al., "Shotgun Sequencing," <u>Human Genome Center, Biology and Biotechnology Program, Lawrence Livermore National Laboratory</u> , Chapter 5, pp. 37-41.
	29. Thomas, G. J., Jr., "Raman Spectroscopy of Protein and Nucleic Acid Assemblies," <u>Annu. Rev. Biophys. Biomol. Struct.</u> , Vol. 28, pp. 1-27 (1999).
	30. Vo-Dinh et al., "Surface-Enhanced Raman Gene Probes," <u>Anal. Chem.</u> , Vol. 66, pp. 3379-3383 (1994).

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